

CLAIMS:

1. Method of recording information on a record carrier of a writable type by writing marks in a track on a recording layer via a beam of radiation entering through an entrance face of the record carrier, the record carrier comprising
 - a first recording layer (40) and a second recording layer (41), the first recording layer being present at a position closer to the entrance face than the second recording layer, and
 - the track on the first recording layer extending spirally in a first direction and the track on the second recording layer extending spirally in a second direction opposite to the first direction for constituting a two part recording area logically interrupted by an intermediate zone that physically is constituted by a first intermediate part located at the end of the first recording layer and a second intermediate part located at the start of the second recording layer, the recording area being preceded by a lead-in zone located at the start of the first recording layer and being followed by lead-out information located at the end of the second recording layer,
 - the method comprising
 - a lead-out recording step comprising recording an outer lead-out part (62) and an inner lead-out part (63), both parts being separated by an unrecorded area (65) and together constituting the lead-out zone on the second recording layer,
 - the inner lead-out part (63) being recorded at a predefined radial position range for covering a range of radial positions used by reading devices for accessing the second recording layer
 - during a disc loading procedure, and
 - the outer lead-out part (62) being recorded at the end of an area of the second recording layer containing user information.
2. Method as claimed in claim 1, wherein the lead-out recording step comprises
 - an initial lead-out step for recording the inner lead-out part (63) during initializing the record carrier for use in recording or reading devices, and a finalizing lead-out step for, after recording user information, recording the outer lead-out part (63).

3. Method as claimed in claim 2, wherein the initial lead-out recording step is performed in a background mode during said recording of user information.

4. Method as claimed in claim 1, wherein the lead-in zone (53) comprises control data to be accessed during the disc loading procedure, and said predefined radial position range corresponds to a range of radial positions where the control data is located.

5. Method as claimed in claim 4, wherein the record carrier is an optical disc and said predefined radial position range is located close to and substantially inward from a radius of 24 mm.

6. Method as claimed in claim 1, wherein the lead-out recording step comprises a step of writing filling data in additional parts of track on other radial positions of the record carrier, in particular the additional parts being located in the intermediate parts.

15 7. Record carrier of a writable type for recording information by writing marks in a track on a recording layer via a beam of radiation entering through an entrance face of the record carrier, the record carrier comprising
- a first recording layer (40) and a second recording layer (41), the first recording layer being present at a position closer to the entrance face than the second recording layer, and
- each recording layer comprising a pre-track pattern (14) indicating the position of the track,
- the track on the first recording layer extending spirally in a first direction and the track on the second recording layer extending spirally in a second direction opposite to the first direction for constituting a two part recording area logically interrupted by an intermediate zone that physically is constituted by a first intermediate part located at the end of the first recording layer and a second intermediate part located at the start of the second recording layer, the recording area being preceded by a lead-in zone located at the start of the first recording layer and being followed by lead-out information located at the end of the second recording layer,
30 the record carrier comprising lead-out control information (12) encoded in the pre-track pattern for performing a lead-out recording step comprising recording an outer lead-out part (62) and an inner lead-out part (63), both parts being separated by an unrecorded area and together constituting the lead-out zone on the second recording layer,

the inner lead-out part (63) being recorded at a predefined radial position range for covering a range of radial positions used by reading devices for accessing the second recording layer during a disc loading procedure, and the outer lead-out part being recorded at the end of an area of the second recording layer containing user information.

5

8. Record carrier as claimed in claim 7, wherein the lead-out control information (12) indicates the location of a inner lead-out part of a lead-out zone on the second recording layer.

10

9. Device for recording information on a record carrier of a writable type by writing marks in a track on a recording layer via a beam of radiation entering through an entrance face of the record carrier, the record carrier comprising

- a first recording layer (40) and a second recording layer (41), the first recording layer being present at a position closer to the entrance face than the second recording layer, and

15

- the track on the first recording layer extending spirally in a first direction and the track on the second recording layer extending spirally in a second direction opposite to the first direction for constituting a two part recording area logically interrupted by an intermediate zone that physically is constituted by a first intermediate part located at the end of the first recording layer and a second intermediate part located at the start of the second recording

20

layer, the recording area being preceded by a lead-in zone located at the start of the first recording layer and being followed by lead-out information located at the end of the second recording layer,

the device comprising

- a head (22) for providing the beam, and

25

- a control unit (20) comprising lead-out means (36) for recording an outer lead-out part (62) and an inner lead-out part (63), both parts being separated by an unrecorded area (65) and together constituting the lead-out zone on the second recording layer, the inner lead-out part (63) being recorded at a predefined radial position range for covering a range of radial positions used by reading devices for accessing the second recording layer during a disc

30

loading procedure, and the outer lead-out part being recorded at the end of an area of the second recording layer containing user information.

10. Device as claimed in claim 9, wherein the device comprises a pre-track demodulation unit (32) for retrieving lead-out control information (12) from a pre-track

pattern (14), the lead-out control information indicating the location of a inner lead-out part of a lead-out zone on the second recording layer.